1078-11-20   **Olav K Richter*** (`richter@unt.edu`), **Kathrin Bringmann** and **Martin Raum**. *Kohnen's limit process for real-analytic Siegel modular forms.*

Kohnen introduced a limit process for Siegel modular forms that produces Jacobi forms and he asked if there is a space of real-analytic Siegel modular forms such that skew-holomorphic Jacobi forms arise via this limit process. In this talk, I will report on recent joint work with Kathrin Bringmann and Martin Raum. We initiate the study of harmonic skew-Maass-Jacobi forms and harmonic Siegel-Maass forms. We improve a result of Maass on the Fourier coefficients of harmonic Siegel-Maass forms, which allows us to establish a connection to harmonic skew-Maass-Jacobi forms and in particular, to answer Kohnen's question in the affirmative. (Received October 08, 2011)